



## Accelerating labor saving in inspections

**NEW**

Roundness and Cylindrical Profile  
Measuring Instruments

RONDCOM **NEX**

# NEX™t Stage of RONDCOM for further labor sa

Hassle-free measurement of any workpiece thanks to a rich li



## A 3-in-1 Machine Satisfying Various Measurement Needs with Functions to Measure Roundness, Diameter, and Roughness, as well as Selectable Specifications

In addition to roundness measurement, RONDCOM NEX offers high-precision diameter measurement with functions common to the series. The NEX Rs/Rs  $\alpha$  models are also capable of measuring roughness. Users can choose from various specifications to suit their needs, such as a higher maximum loading mass (30/60 kg), greater column size (300/500/900\* mm), and either manual or automatic alignment and detector orientation adjustment. We respond to all of our customers' needs with a diverse range of functions and selectable specifications that makes these machines much more than mere roundness and cylindrical profile measuring instruments.

\*Only SD type of NEX  $\alpha$  /NEX Rs  $\alpha$



## Continuous Measurement of Roundness and Roughness on One Machine Labor-saving option: AFD(Automatic Force adjustment Detector)

The AFD (Automatic Force adjustment Detector) allows automatic adjustment of measurement direction and force in the software. As such, it is possible to automatically measure the outer and inner diameters of a workpiece. When measuring notched workpieces, the front travel can be automatically adjusted to prevent the stylus from dropping. In addition, this AFD and T-stylus option can be mounted on the RONDCOM NEX Rs 300/Rs  $\alpha$  300 for roughness measurement, allowing for automatic switchover and continuous measurement of roundness and roughness. This option helps to save labor as two features can be measured on one machine with no need for operators to place workpieces in two separate measuring machines.



## Hassle-free measurement of any workpiece thanks to a rich lineup, myriad of functions, and excellent labor-saving options

### Labor-saving option: XY-Axis Automatic Stage

When measuring a large number of workpieces, a typical table rotation roundness and cylindrical profile measuring instrument requires the workpiece to be replaced multiple times between individual measurements. However, the RONDCOM NEX series features a common optional XY-Axis Automatic Stage, allowing many workpieces on the stage to be measured at once without requiring any special setup. This is a labor-saving option that minimizes operator effort and reduces measurement takt time. The labor-saving options can be retrofitted to existing RONDCOM NEX machines to upgrade to labor-saving specification.

# Saving and minimizing operator interventions

Simple, myriad of functions, and excellent labor-saving options



# Versatility

Meeting diverse needs with wide-ranging lineup  
to choose from

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ROND COM NEX 200 DX2-12

## Standard model ROND COM NEX

- Max. loading weight: 30kg
- Max. measuring height: 300 / 500 mm
- Alignment: Manual / CNC
- Detector posture change: Manual / CNC
- Type: With integrated measurement and data processing section (DX2)  
/ With separate measurement and data processing sections (SD2)
- Alignment can be upgraded from manual to CNC after delivery



ROND COM NEX Rs 200 DX2-12

## Model for surface texture measurement ROND COM NEX **Rs**

- Max. loading weight: 30kg
- Max. measuring height: 300 / 500 mm
- Alignment: CNC
- Detector posture change: Manual / CNC
- Type: With integrated measurement and data processing section (DX2)  
/ With separate measurement and data processing sections (SD2)
- Capable of measuring surface texture



Measuring height 900 mm Ultra-high column specification  
ROND COM NEX  $\alpha$  300 SD2-23



Measuring height 500 mm High column specification  
ROND COM NEX Rs  $\alpha$  200 SD2-22

### Model for heavy-weight workpieces ROND COM NEX $\alpha$

- Max. loading weight: 60kg
- Max. measuring height: 300 / 500 / 900\* mm
- Alignment: Manual / CNC
- Detector posture change: Manual / CNC
- Type: With integrated measurement and data processing section (DX2)  
/ With separate measurement and data processing sections (SD2)

\*Applicable only to SD2

### Model for surface texture measurement and heavy-weight workpieces ROND COM NEX Rs $\alpha$

- Max. loading weight: 60kg
- Max. measuring height: 300 / 500 / 900\* mm
- Alignment: CNC
- Detector posture change: Manual / CNC
- Type: With integrated measurement and data processing section (DX2)  
/ With separate measurement and data processing sections (SD2)
- Capable of measuring surface texture

\*Applicable only to SD2



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